

[54] RED PERYLENE DICHROIC DYE
CONTAINING LIQUID CRYSTAL
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[57] ABSTRACT

Liquid crystal compositions having guest perylene-based dichroic dyes dissolved therein. The perylene dichroic dyes have symmetrically-disposed substituents which are preferably a group forming with the 3,4 and 9, 10 carbons, respectively, a 5 or 6 membered cyclic ring which is substituted by, or fused to, a phenyl ring. The perylene-based dyes of the invention can be used alone or with other compatible dyes as guest dyes to form various colors for coloring the host liquid crystal compositions.

15 Claims, No Drawings